

Data Warehousing, New Information and Tools



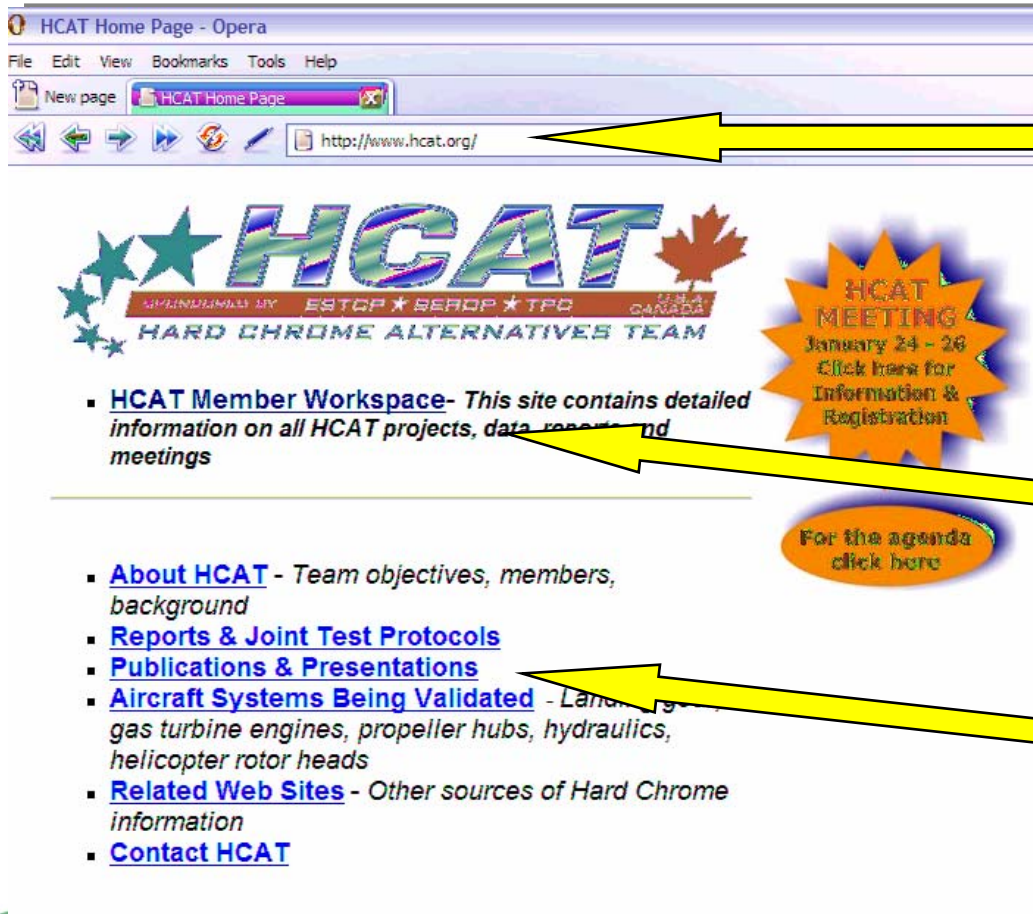
HCAT Program Review
San Diego
January, 2006

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Carrier landings



The HCAT home page – www.hcat.org



www.hcat.org

To reach the data warehouse you click
HERE Goes to
www.materialoptions.co

HCAT info

The HCAT workspace –

www.materialoptions.com

- ❑ Dynamic – constantly increasing number of files
- ❑ Location for all the reports and data
- ❑ All briefings from HCAT meetings (in PDF)
 - This meeting briefings will be on site in about a week
- ❑ ESOH background info
- ❑ Specs and standards
- ❑ Place to share info, upload and download files
- ❑ Separate workgroup for each project to warehouse and share data and work in progress
 - Open only to members of that project

HCAAT data site – www.materialoptions.com

Username:
hcat@hcat.org

Password:
hello.hcat

Or:
hcatguest/hcat

Some people
have their own
usernames with
more extensive
rights

**New: Reports
and JTPs
Open to public**

**Agitez votre baguette magique
pour changer la langue!**

**HELP!!
Instructions on doing the
most common tasks**

HCAAT main page

**Words are links to
the most-used areas**

**This area is not
passworded**

Type	Name	Size	Modified	Version
Folder	HCAT Papers, Presentations, Publications	10 Ob.	2004/01/30 17:39	
Folder	HCAT Reports and Test Protocols	11 Ob.	2004/06/30 15:49	
Folder	News and Next HCAT Meeting	2 Ob.	2004/06/08 13:57	
Folder	Temporary Data Sharing - anonymous users			
File	Canada Meeting Aug 12 2003	6 Ob.	2003/09/15 14:46	
File	Accessing the HCAT web site.doc	28.5 Kb	2003/08/14 18:50	1
File	Problems and error messages	6.93 Kb	2003/07/08 17:50	
File	Projects and Partners	301 Bytes	2004/01/21 15:24	



Hazmat-alternatives.com Portal

A new portal to get at info on alternatives to hazardous materials – www.hazmat-alternatives.com



With all the new rules

- OSHA Cr⁶⁺ PEL
- EU WEEE
- EU RoHS
- China RoHS
- Etc, etc.

Need sources of info, not just on rules, but on what to do about them

HCAT workspace
JSF workspace

Will shortly have individual logins for DoD info, but not HCAT workspace

All sorts of sexy fly-out links to info on hazmat alts

We provide comprehensive solutions for meeting ever stricter environmental regulations...

- Technology summaries, briefings, reports
- Tools for Roadmapping, Cost Benefit Analysis and Technology Evaluation
- Evaluation of solutions for your specific needs
- Engineering expertise to choose the right new technology and put it into production

Everything you always wanted to know about regs but were afraid someone might tell you

Getting to Workgroups for various programs



Reports and briefings

Environmental Security Technology Certification Program

Cost and Performance Report

Table of Contents

Table of Contents	ii
List of Figures.....	iii
List of Tables.....	iv
List of Acronyms.....	v
Acknowledgments.....	vi
1.0 Executive Summary.....	1
2.0 Background.....	4
3.0 Technology Description.....	8
3.1. Technology Development and Application.....	8
3.2. Process Description.....	9
3.3. Previous Testing of the Technology.....	11
3.4. Advantages and Limitations of the Technology.....	11
4.0 Demonstration Design.....	13
4.1. Performance Objectives.....	13
4.2. Selection of Test Facility.....	14
4.3. Test Facility History/Characteristics.....	14
4.4. Physical Set-Up and Operation.....	15
4.5. Substrate Material Selection.....	16
4.6. Coating Selection and Parameter Optimization.....	18
4.7. Analytical Methods.....	19
4.7.1. Fatigue.....	19
4.7.2. Wear.....	21
4.7.3. Corrosion.....	22
4.7.4. Carbon Seal Testing.....	23
5.0 Performance Assessment.....	24
5.1. Performance Criteria.....	24
5.2. Performance Data.....	24
5.2.1. Materials Testing – Fatigue.....	24
5.2.2. Materials Testing – Wear.....	26
5.2.3. Materials Testing – Corrosion.....	28
5.2.4. Materials Testing – Carbon Seal.....	29

ii

5.2.5. Component Testing – TF33 Advanced Mission Test.....	30
5.3. Data Evaluation.....	31
6.0 Cost Assessment.....	33
6.1. Cost Reporting.....	33
6.2. Cost Analysis.....	36
7.0 Implementation Issues.....	39
7.1. Cost Observations.....	39
7.2. Performance Observations.....	39
7.3. Scale-Up Issues.....	40
7.4. Other Significant Observations.....	40
7.5. Lessons Learned.....	40
7.6. End User/OEM Issues.....	41
7.7. Approach to Regulatory Compliance and Acceptance.....	41
8.0 References.....	42
9.0 Points of Contact.....	43

List of Figures

Figure 1. Schematic of HVOF Gun and Process (Sulzer Metco DiamondJet).....	8
Figure 2. HVOF Spray of Landing Gear Inner Cylinder.....	9
Figure 3. Thermal Spray Booth at OC-ALC.....	15
Figure 4. Sulzer-Metco DJ2700 Spray Gun (in operation) Mounted to Fanuc M16i Robot Inside Spray Booth at OC-ALC. Also Shows Air Jet Nozzles for Cooling Components During Spraying.....	16
Figure 5. Infrared Pyrometer for Measuring Surface Temperature of Components During Coating Application.....	16
Figure 6. Schematic of Smooth-Gage Fatigue Specimen Showing Location of Coating Patch.....	21
Figure 7. Cross-Sectional Schematic of Fretting Wear Test Configuration.....	21
Figure 8. Schematic of Rod Corrosion Specimen.....	22
Figure 9. Schematic Drawings of Two Configurations for Carbon Seals.....	23
Figure 10. Cycles-to-Failure at Maximum Values of Strain for LCF Testing at 300° F of Various 0.015"-thick Coatings Deposited on A-286 Alloy Specimens.....	24
Figure 11. Cycles-to-Failure at Maximum Values of Strain for LCF Testing at 300° F of Various 0.015"-thick Coatings Deposited on 9310 Alloy Specimens.....	25

DoD Programs - Reports Chrome Alternatives

Wear &
Corrosion
Alternatives

Coatings
Database

DoD
Programs

Teams &
Workgroups

US and
European
Rules

Industry
Solutions

Alternative Summaries
DoD Projects
DoD Services
DoD Reports
DoD Briefings
Test Protocols

Cost Benefit Analysis

Chrome Alternatives

Cadmium & Chromate Alternatives

Other Reports

Contents

Title & Author(s)

Use of Thermal Spray as an
Aerospace Chrome Plating
Alternative - Keith Legg, Rowan
Technology Group & John Sauer,
Sauer Engineering

[Download](#)

Chrome Replacement for Internals
and Small Parts - Keith Legg, Rowan
Technology Group

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Field Repair of Chrome and
Cadmium Replacements - Keith
Legg, Rowan Technology Group

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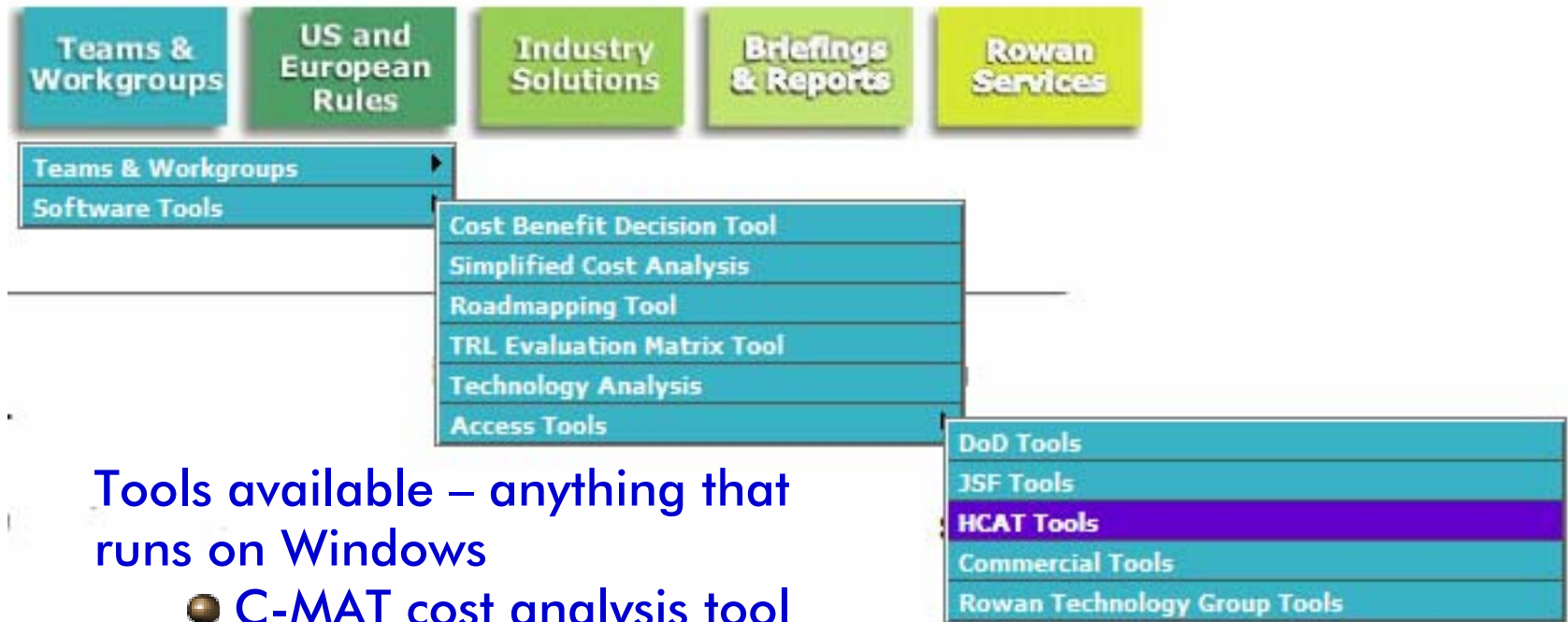
Clean Dry-coating Technology for ID
Chrome Replacement - Keith Legg,
Rowan Technology Group & Bruce
Sartwell, NRL

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PDF](#)

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ZIP with
Appendices
\(38.5 MB\)](#)

Keith Legg, klegg@rowantechnology.com

Tools



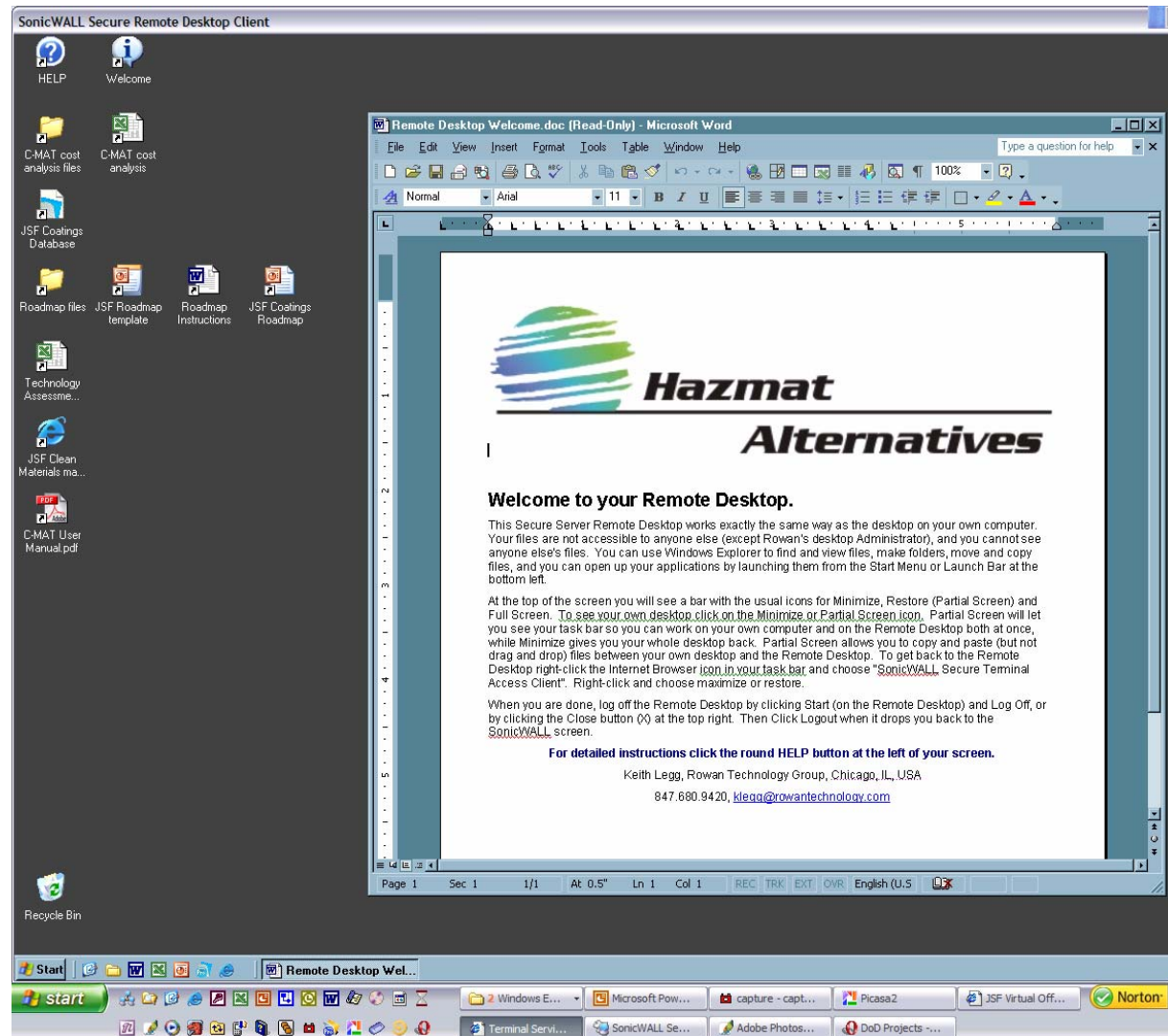
Tools available – anything that runs on Windows

- C-MAT cost analysis tool
- Roadmapping tool
- Project planner
- Coatings database

Secure Virtual Office Remote Desktop Tools

Various software tools can be made available for different workgroups

- Username and password needed
- Each user has own preferences
- Each group has own set of tools
- Requires download of ActiveX controls
- Can use for all seeing, modifying cost analyses
- Likely to be good for final assembly of reports – avoid the dreaded GAHGB nonsense with graphics



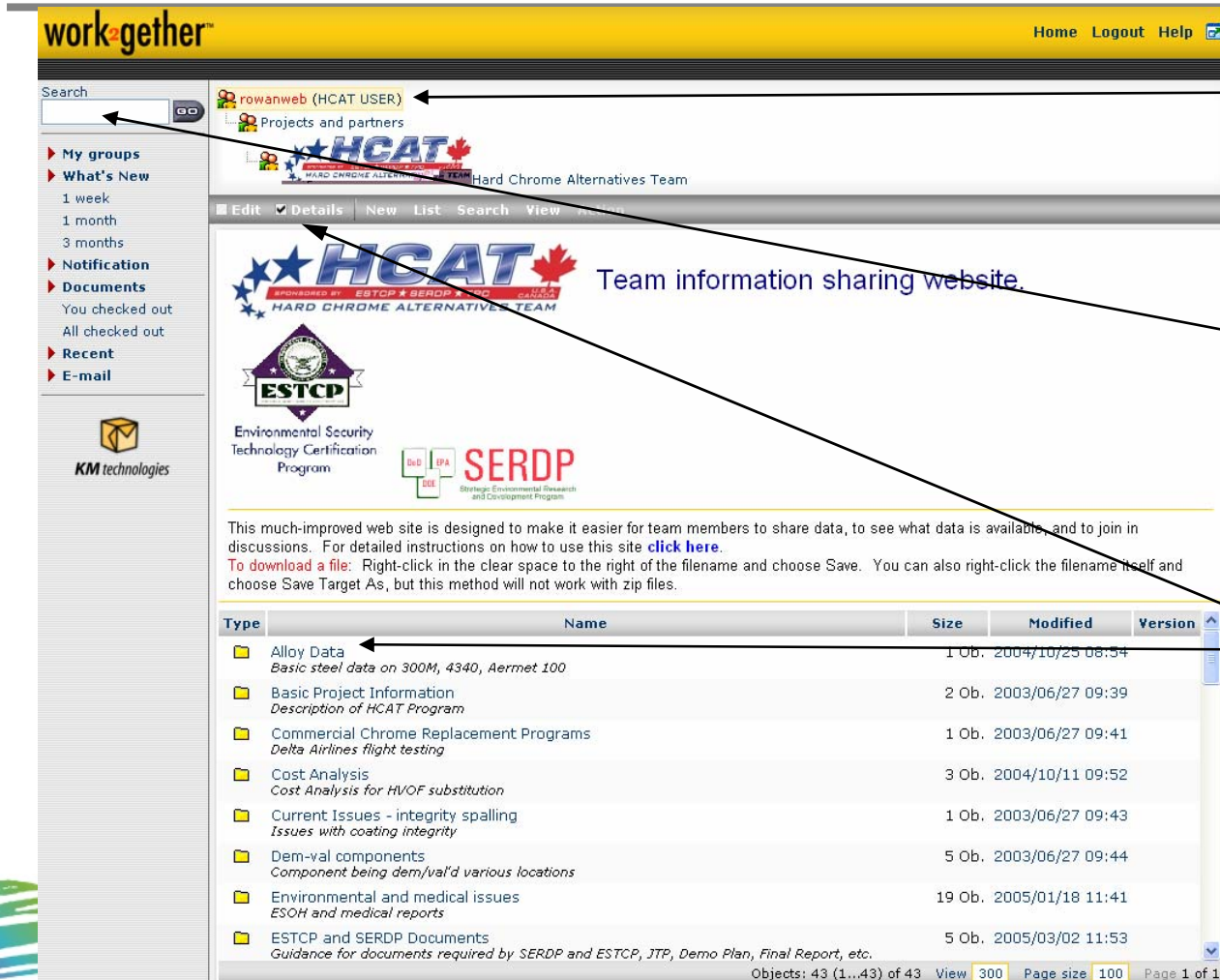
Password changes

- ❑ Due to need for more control and tracking in JSF area and access to DoD info we will soon institute individual usernames and passwords for some areas of workspace
- ❑ HCAT area likely to be unaffected
- ❑ Anyone needing access to tools will need individual usernames and passwords



How to get at files on the data-sharing HCAT workspace

Username and password takes you here



work2gether™ Home Logout Help

Search

rowanweb (HCAT USER) Projects and partners

HCAT HARD CHROME ALTERNATIVES TEAM

Team information sharing website.

ESTCP Environmental Security Technology Certification Program

SERDP Strategic Environmental Research and Development Program

This much-improved web site is designed to make it easier for team members to share data, to see what data is available, and to join in discussions. For detailed instructions on how to use this site [click here](#).
 To download a file: Right-click in the clear space to the right of the filename and choose Save. You can also right-click the filename itself and choose Save Target As, but this method will not work with zip files.

Type	Name	Size	Modified	Version
Alloy Data	Basic steel data on 300M, 4340, Aermet 100	1 Ob.	2004/10/23 08:54	
Basic Project Information	Description of HCAT Program	2 Ob.	2003/06/27 09:39	
Commercial Chrome Replacement Programs	Delta Airlines flight testing	1 Ob.	2003/06/27 09:41	
Cost Analysis	Cost Analysis for HVOF substitution	3 Ob.	2004/10/11 09:52	
Current Issues - integrity spalling	Issues with coating integrity	1 Ob.	2003/06/27 09:43	
Dem-val components	Component being dem/val'd various locations	5 Ob.	2003/06/27 09:44	
Environmental and medical issues	ESOH and medical reports	19 Ob.	2005/01/18 11:41	
ESTCP and SERDP Documents	Guidance for documents required by SERDP and ESTCP, JTP, Demo Plan, Final Report, etc.	5 Ob.	2005/03/02 11:53	

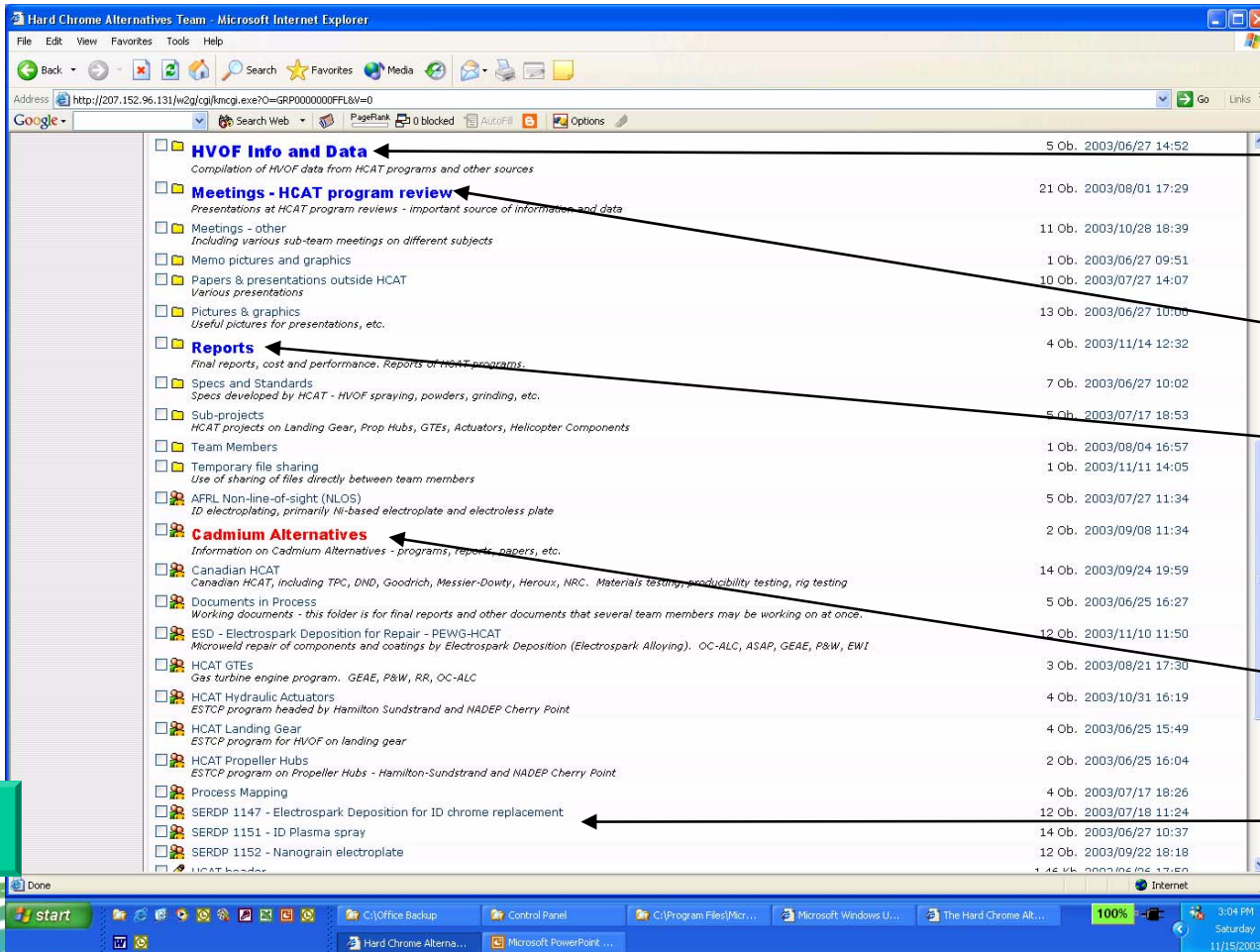
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Username – if
“anonymous”
log in again

Seek and ye
shall find

Data folders
Check this box if
you don't see
descriptions

Where is the most important stuff?



All the primary
HVOF data

These meetings

Reports on
landing gear,
prop hubs, etc.

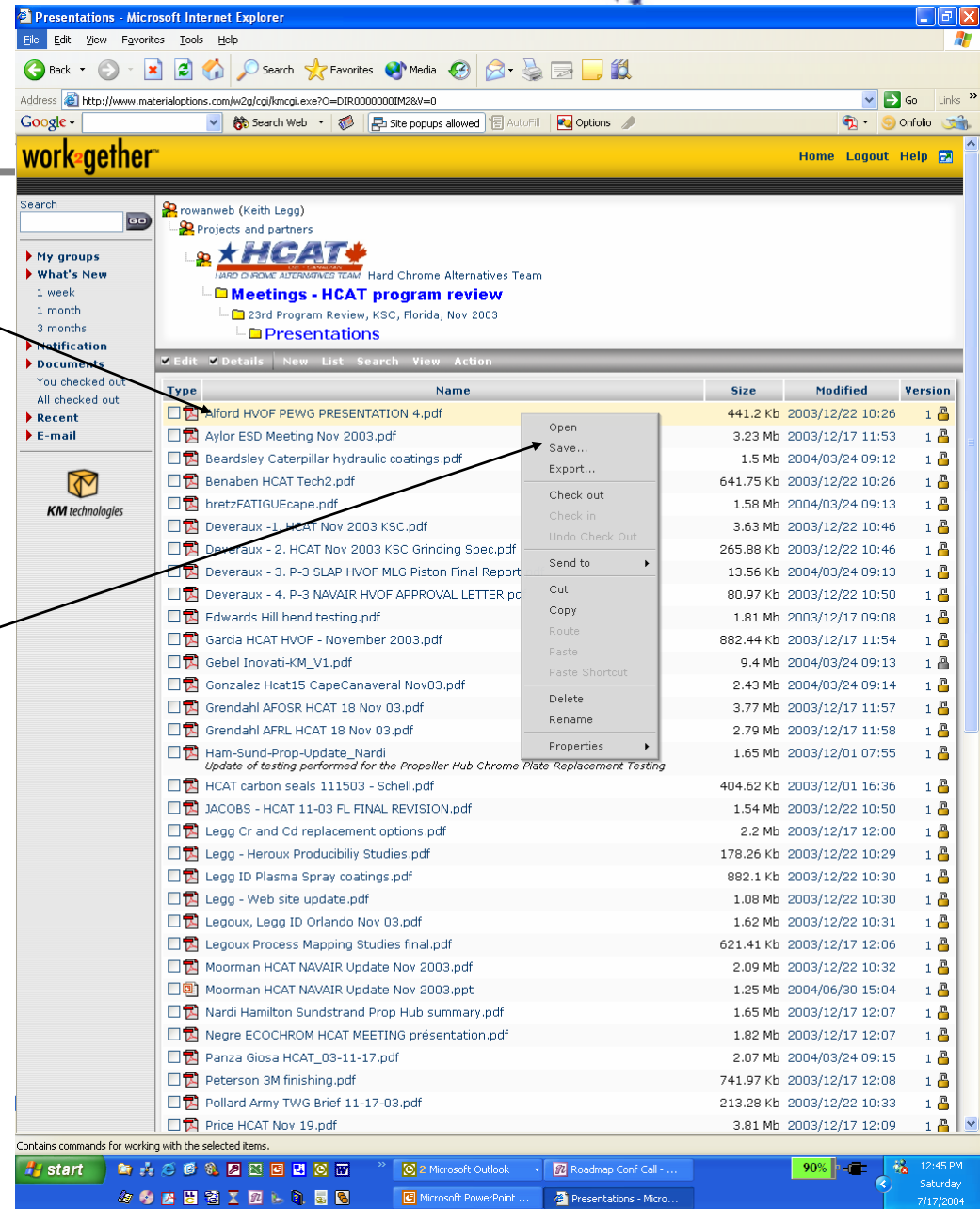
Info on Cd

Specific
projects

Downloading files

1. Move cursor up and down
2. Each file area turns yellow as you cross it
3. Right-click yellow area rather than filename
 - For most files right-or left-clicking filename works, but not zip files
4. Click Save
5. Follow the instructions

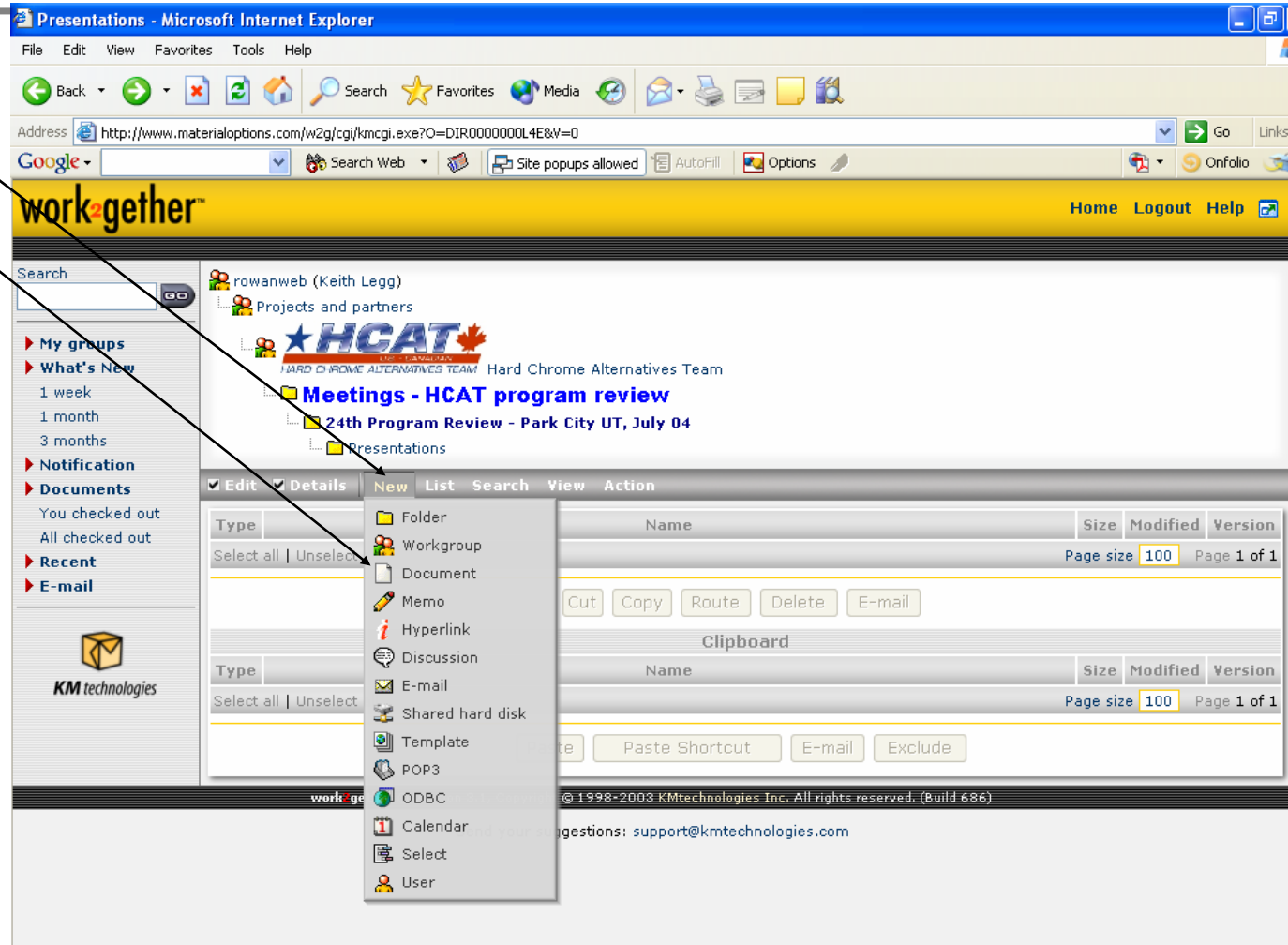
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Type	Name	Size	Modified	Version
	Alford HVOF PEWG PRESENTATION 4.pdf	441.2 Kb	2003/12/22 10:26	1
	Aylor ESD Meeting Nov 2003.pdf	3.23 Mb	2003/12/17 11:53	1
	Beardsley Caterpillar hydraulic coatings.pdf	1.5 Mb	2004/03/24 09:12	1
	Benaben HCAT Tech2.pdf	641.75 Kb	2003/12/22 10:26	1
	bretzFATIGUEscape.pdf	1.58 Mb	2004/03/24 09:13	1
	Deveraux - 1. HCAT Nov 2003 KSC.pdf	3.63 Mb	2003/12/22 10:46	1
	Deveraux - 2. HCAT Nov 2003 KSC Grinding Spec.pdf	265.88 Kb	2003/12/22 10:46	1
	Deveraux - 3. P-3 SLAP HVOF MLG Piston Final Report	13.56 Kb	2004/03/24 09:13	1
	Deveraux - 4. P-3 NAVAIR HVOF APPROVAL LETTER.pdf	80.97 Kb	2003/12/22 10:50	1
	Edwards Hill bend testing.pdf	1.81 Mb	2003/12/17 09:08	1
	Garcia HCAT HVOF - November 2003.pdf	882.44 Kb	2003/12/17 11:54	1
	Gebel Inovati-KM_V1.pdf	9.4 Mb	2004/03/24 09:13	1
	Gonzalez Hcat15 CapeCanaveral Nov03.pdf	2.43 Mb	2004/03/24 09:14	1
	Grendahl AFOSR HCAT 18 Nov 03.pdf	3.77 Mb	2003/12/17 11:57	1
	Grendahl AFRL HCAT 18 Nov 03.pdf	2.79 Mb	2003/12/17 11:58	1
	Ham-Sund-Prop-Update_Nardi	1.65 Mb	2003/12/01 07:55	1
	Update of testing performed for the Propeller Hub Chrome Plate Replacement Testing			
	HCAT carbon seals 111503 - Schell.pdf	404.62 Kb	2003/12/01 16:36	1
	JACOBS - HCAT 11-03 FL FINAL REVISION.pdf	1.54 Mb	2003/12/22 10:50	1
	Legg Cr and Cd replacement options.pdf	2.2 Mb	2003/12/17 12:00	1
	Legg - Heroux Producibility Studies.pdf	178.26 Kb	2003/12/22 10:29	1
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	Legg - Web site update.pdf	1.08 Mb	2003/12/22 10:30	1
	Legoux, Legg ID Orlando Nov 03.pdf	1.62 Mb	2003/12/22 10:31	1
	Legoux Process Mapping Studies final.pdf	621.41 Kb	2003/12/17 12:06	1
	Moorman HCAT NAVAIR Update Nov 2003.pdf	2.09 Mb	2003/12/22 10:32	1
	Moorman HCAT NAVAIR Update Nov 2003.ppt	1.25 Mb	2004/06/30 15:04	1
	Nardi Hamilton Sundstrand Prop Hub summary.pdf	1.65 Mb	2003/12/17 12:07	1
	Negre ECOCHROM HCAT MEETING presentation.pdf	1.82 Mb	2003/12/17 12:07	1
	Panza Giosa HCAT_03-11-17.pdf	2.07 Mb	2004/03/24 09:15	1
	Peterson 3M finishing.pdf	741.97 Kb	2003/12/17 12:08	1
	Pollard Army TWG Brief 11-17-03.pdf	213.28 Kb	2003/12/22 10:33	1
	Price HCAT Nov 19.pdf	3.81 Mb	2003/12/17 12:09	1

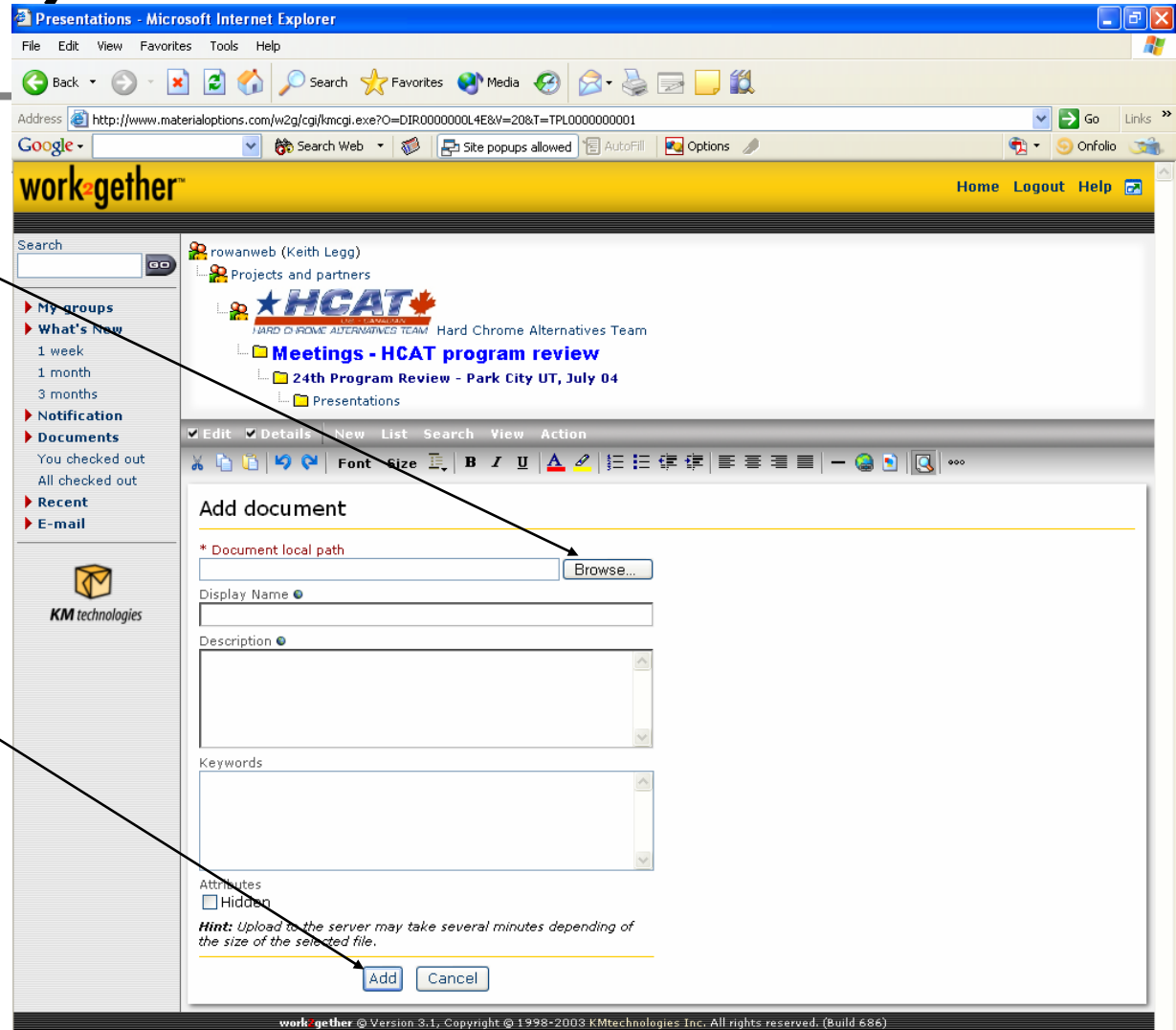
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- Click New on menu
- Click Document on drop-down



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- Give it a Display Name (or leave blank and it will give it your filename)
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DO NOT lick the clock unless you mean it!

- ❑ This icon is for checking out a document so nobody else can upload a new version until you are done
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Individual projects



Team information sharing website.

This much-improved web site is designed to make it easier for team members to share data, to see who has discussions. For detailed instructions on how to use this site [click here](#).

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- Information on Cadmium Alternatives - programs, reports, papers, etc.
-  Canadian HCAT
Canadian HCAT, including TPC, DND, Goodrich, Messier-Dowty, Heroux, NRC. Materials testing, producibility testing, rig testing
-  **ESD - Electrosark Deposition for Repair (mostly GTEs) - PEWG-HCAT Project EPP 0202**
Microweld repair of components and coatings by Electrosark Deposition (Electrosark Alloying). OC-ALC, ASAP, GEAE, P&W, EWI
-  HCAT GTEs
Gas turbine engine program. GEAE, P&W, RR, OC-ALC
-  **HCAT Helicopter Components**
HVOF chrome replacement for helicopter head components
-  **HCAT Hydraulic Actuators**
ESTCP program headed by Hamilton Sundstrand and NADEP Cherry Point
-  HCAT Landing Gear
ESTCP program for HVOF on landing gear
PROJECT COMPLETE

 rowanweb (HCAT USER)













 Projects and partners



Hard Chrome Alternatives

 **ESD - Electrosark Deposition for Repair**

☐ Edit ☒ Details ☐ New ☐ List ☐ Search ☐ View ☐ Action

Type	Name
	Announcements
	Approvals
	Current Issues
	Data
	Meetings
	Papers & Presentations
	Pictures and graphics
	Reports
	Team Members (reports etc)
	Temporary information sharing
	Test plans
	Trash

Sometimes it asks for your username and password again



No, it's not OK,
dammit Gates!!

- ❑ The rule is "if you can see it you have rights to it"
 - Just enter username and password again
- ❑ Also, when you use the back arrow to get back you often get a Gatesian "page expired" message
 - Just click the arrow again